

From: [Michael Stephenson](#)
To: [Jacobs, Ann](#)
Cc: [SMITH, MARTIN L](#); [Jump, Christine](#)
Subject: Proposed interim action objectives for Clean Harbors Wichita
Date: Thursday, February 20, 2014 4:05:48 PM
Attachments: [Table 1 - IAOs.pdf](#)

Hello Ann,

Sorry for the delay in getting this to you.

As we discussed last Friday, I have attached the proposed interim action objectives for corrective action at the Clean Harbors Wichita facility. As we discussed, these values are the KDHE Tier II Soil to Groundwater protection values under a residential scenario.

Please let me know if you have any questions or concerns regarding these values as these will form the basis of our corrective action and will be used to certify that cleanup is complete.

Thanks for your support,

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TABLE 1
Soil Interim Action Objectives (IAOs)
Clean Harbors (Wichita) Facility

Chemical Constituent VOCs and SVOCs	Interim Action Objective mg/kg
1,1,1-Trichloroethane	2.8
1,1,2,2-Tetrachloroethane	0.016
1,1-Dichloroethane	0.269
1,2,4-Trimethylbenzene	1.07
1,3,5-Trimethylbenzene	5.51
Chlorobenzene	5.1
cis-1,2-Dichloroethene	0.855
Ethylbenzene	65.6
Isopropylbenzene	65.1
m-Xylene & p-Xylene	809
n-Butylbenzene	10.2
n-Propylbenzene	110
Naphthalene	0.349
o-Xylene	809
p-Isopropyltoluene	NA
sec-Butylbenzene	8.27
tert-Butylbenzene	NA
Tetrachloroethene	0.121
Toluene	51.2
trans-1,2-Dichloroethene	1.22
Trichloroethene	0.0842
Vinyl Chloride	0.0205
1,1-Dichloroethene	0.0859
1,4-Dioxane	0.349

Notes:

IAO - Interim Action Objective from the KDHE Tier 2 residential soil to groundwater protection screening levels identified in the Risk-Based Standards for Kansas RSK Manual-5th Version (October, 2010)